GV-VD320D /321D / 322D / 323D 3MP H.264 IR Vandal Proof IP Dome

- 1/2.5" progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 20 fps at 2048 x 1536
- IK10+
  (for GV-VD320D and GV-VD321D only)
- IK7
  (for GV-VD322D and GV-VD323D only)
- Ingress protection (IP66)
- 3-axis mechanism (pan / tilt / roll)
- Removable IR-cut filter for Day/Night function
- External microphone
- Intelligent IR
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Memory card slot
- DC12V / AC24V / PoE
- Wide Dynamic Range (WDR)
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF conformant

*No Memory card slot & local storage function for Argentina.

Models

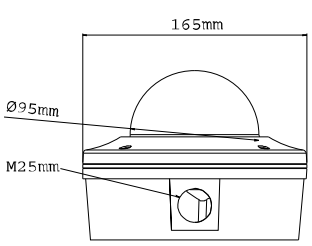
Model	Housing Cover Cover Color	Vandal Resistance
GV-VD320D	Transparent cover	IK10+
GV-VD321D	Smoked cover	IK10+
GV-VD322D	Transparent cover	IK7
GV-VD323D	Smoked cover	IK7

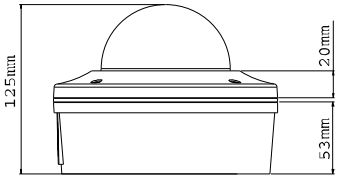
Active Tampering Alarm

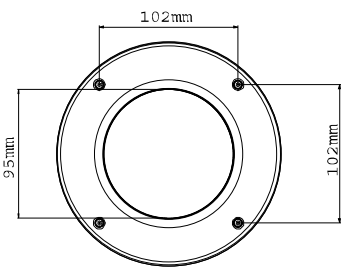
Tampered

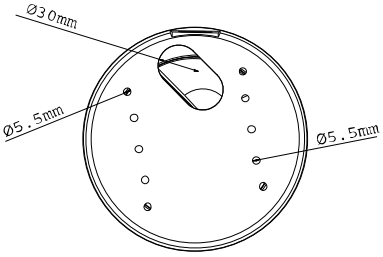
Focus Change

Camera Shift









SPECIFICATIONS

Camera		
Image Sensor		1/2.5” progressive scan CMOS
Picture Elements		2048 (H) x 1536 (V)
Minimum Illumination	Color	1 Lux (1/30 sec), 0.5 Lux (1/5 sec)
	B/W IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)
White Balance		Automatic, Manual (2800K ~ 8500K)
Lens		
Megapixel		Yes
Day / Night		Yes (with removable IR-cut filter)
Lens Type		Varifocal
Focal Length		3 ~ 9 mm
Maximum Aperture		F/1.3
Mount		Ø 14 mm
Operation	Focus	Manual (w / lock)
	Zoom	Manual (w / lock)
	Iris	DC drive
Max. Torque (Focus/ Zoom Screws)		0.049 N.m
IR LED Quantity		10 IR LEDs
IR Distance		15 m / 50 ft (Max.)
Operation		
Video Compression		H.264, MJPEG
Video Stream		Dual streams from H.264 and MJPEG
Frame Rate		20 fps at 2048 x 1536 * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
Image Setting		Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Backlight Compensation, D/N Sensitivity, Shutter Speed, WDR, Defog
Audio Compression		G.711, AAC (16 kHz / 16 bit) * AAC is only supported by GV-System V8.5 or later
Two-way Audio		Yes
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Digital Output (200mA 5V DC)
Video Resolution		
Main Stream	4:3	2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480, 320 x 240
	16:9	1920 x 1080, 1280 x 720, 640 x 360, 448 x 252
	5:4	1280 x 1024, 640 x 512, 320 x 256
Sub Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256
Network		
Interface		10/100 Ethernet
Ethernet Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF
Mechanical		
Lens Mounting		ø 14 mm
Temperature Detector		Yes
Camera Angle Adjustment	Pan	0° ~ 350°
	Tilt	10° ~ 90°
	Rotate	0° ~ 340°

Connectors	Power	3-pin terminal block, PoE
	Ethernet	RJ-45
	Audio	1 In (RCA female for microphone) 1 Out (RCA female for speaker)
	Digital I/O	I/O Wires
	Auto Iris	DC drive
	Local Storage	Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)
	TV-Out	BNC connector (640 x 480).
General		
Environment Temperature		-20 °C ~ 50 °C / 4 °F ~ 122 °F
Humidity		10% to 90% (no condensation)
Power Source		12V DC / 24V AC / PoE
Max. Power Consumption		12 W
Dimensions	Camera Body	ø 165 x 125 mm / 6.49 x 4.92 in
	Cable Length	1 m / 3.28 ft
	Cable Diameter	ø 16.7 mm / 0.66 in
	Maximum Connector Diameter	ø16.7 mm / 0.66 in
Weight		1.7 kg / 3.75 lb
Ingress Protection		IP66
Ingress Protection		IP66
Vandal Resistance	GV-VD320D / GV-VD321D	IK10+
	GV-VD322D / GV-VD323D	IK7
Regulatory		CE, FCC, C-Tick, RoHS compliant
Power over Ethernet		
PoE Standard		IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 350mA. Max. 15.4 watts
Web Interface		
Installation Management		Web-based configuration
Maintenance		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Camera live view, video recording, change video quality, bandwidth control, image snapshot, digital I/O control, audio, Wide Angle Lens Dewarping, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Text Overlay
Language		Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian /Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish
Applications		
Network Storage		GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Smart Device Access		- GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch- GV-Eye HD for iPad
Live Viewing		IE , GV-MultiView
CMS Server support		GV-Control Center, GV-Center V2, GV-VSM

Note:

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
2. Specifications are subject to change without notice.